March 30, 2012 Flipped Classroom: Pedagogy and Practical Applications ---MDE Technology Session

Goal: to investigate what needs to happen before online learning opportunities are implemented in a district; Approaches to Professional development; infrastructure, teacher mindset etc.

WHY PLAN AND GO THIS DIRECTION?

1. Expand opportunities
2. Overcome space/time issues
3. Humanize the learning experience
4. Reach across cultures, geography etc

My big takeaways are:

1. Teacher mindset and comfort level with technology more important than the hardware, or toys we get.
2. Digital learning is here. We should get onboard. So, who is the we?
3. Teachers need training in OLL (online learning) because delivering lessons online is different (different modalities, literacies, timing, assessments, ) So, staff development, tech camps, 1 to 1 learning is important. And a good way to start.
4. Different types of online learning include flipped classroom, blended instruction.
5. It might be easier to implement at an elementary level.
6. Flipped classroom concept can be done at any level..
7. Prep up front is time intensive, but what isn’t.
8. We are doing some of this, there is no district coordinated effort.
9. Legislation H 2127 may require 1 credit of OLL.
10. Yes, everyone seems to have Moodle but thinks it’s a pain.

Some details on the day:

Jon Voss (EMID 287) explained trends, issues, resources already in place.

Trends in OLL”

1. Student expectation and needs are digital
2. OLL is expanding (so your students are going to go somewhere else)
   1. Mn leader
3. Current and future workforce demands it.
4. Schools need to meet these students where they are and elevate the students who aren’t so that all can be successful.
5. Districts need to stay marketable.

Open resources -

1. Mnlearningcommons.org
2. Partnership for Innovative Instruction
3. Sophia
4. Schoolology

Online professional development ala Byron and Edina.

IGNORE ALL MY MUSINGS AND GO HERE tinyurl.com/mdeblendedPD

Had wireless in place

Started with online staff development opportunities

Just thinking: tech camp with emphasis on google apps for ed and online lesson development, or web 2.0 to include in already prepared lessons, or ipad basics …or online sd this summer and continue over the school year, or collaboration issues (Byron model)

Components of units

Readings and research

Discussion

Assignments and activities

reflections

PD that has been successful:

23 Things

Teaching Beyond Classroom Walls

Northern Star trsining

Stillwater PD uses NETS c as a framework

FLIPPED INSTRUCTION

Elementary 5th grade math Stillwater

Middle 9th grade math Valley View Middle

High Algebra 11 and Precalculus Red Wing

Why it works

Differentiates instruction at point of need

Crosses all cultures

Access? Make dvds and send them home

Pilots- started with 6 at elementary

What video software? SMARTBOARD recordings; Camtasia Studio; Screen Flow and itunes subscription

Password protected gateway

*Next steps: Inventory—who is doing what in our district? Enlist Miles, Michael, Chris help*

*Design PD*

*Continue tech aamp and collaboration with TIES*

*Create totally online opportunity ie 23 things this summer and continue in fall*

*Schoolology vs Moodle or whatever*